

### **ABSTRACT OF THE DISCLOSURE**

In the transmissions of the background art, two larger-diameter gears are mounted on a final shaft thereby causing an increase in weight of the transmission. The present invention reduces the weight of a transmission by mounting only one larger-diameter gear on a final shaft. The transmission of the present invention includes an output shaft; a countershaft extending parallel to the output shaft; an intermediate shaft extending parallel to the output shaft; a forward drive gear rotatably supported relative to the countershaft; a reverse drive gear rotatably supported relative to the countershaft; a first intermediate gear rotatably supported relative to the intermediate shaft, the first intermediate gear normally meshing with the reverse drive gear; a second intermediate gear rotatably supported relative to the intermediate shaft, the second intermediate gear being interlocked with the first intermediate gear to rotate therewith; an output shaft driven gear fixed to the output shaft, the output shaft driven gear being normally meshing with the forward drive gear and the second intermediate gear; and a gear selecting and fixing device axially movably mounted on the countershaft for selectively fixing the forward drive gear and the reverse drive gear to the countershaft.